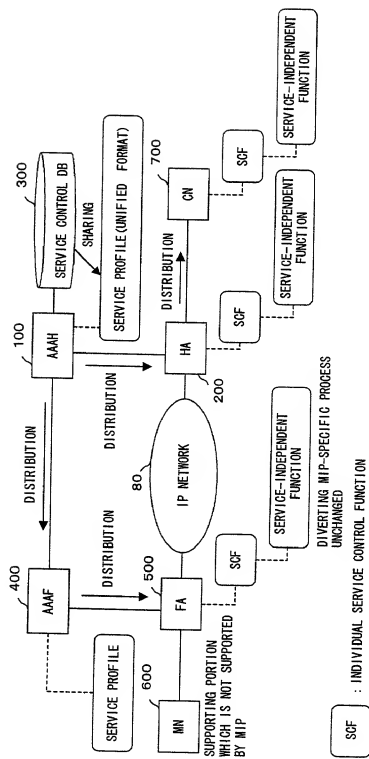


FIG. 2



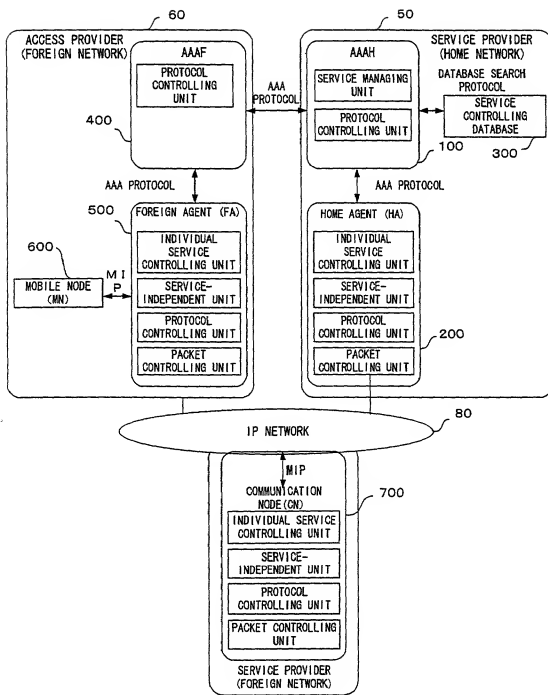


FIG. 4

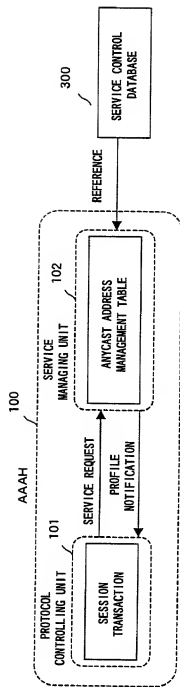


FIG. 5

CONSTITUENT ELEMENT	CONTENTS
NAI	USER NAI (NETWORK ACCESS IDENTIFIER)
USER PROFILE	USER NAME, ADDRESS, TELEPHONE NO., ETC.
USER AUTHENTICATION INFORMATION	MM-AAA AUTHENTICATION KEY/USER ID/PASSWORD
SLA (SERVICE LEVEL AGREEMENT)	CONTRACT CONDITION OF SUBSCRIBER
PROFILE FOR INDIVIDUAL SERVICE	PROFILE INFORMATION ABOUT INDIVIDUAL SERVICE SUCH AS DIFF-SERVE, PACKET FILTERING, ANYCAST, MULTICAST, ETC.

F I G. 6

SERVICE CLASS	CONTENTS
CLASS A	GUARANTEEING THAT TRANSMISSION DELAY IS WITHIN ALLOWABLE RANGE
CLASS B	ADDING TO QUEUE WITH HIGH PRECEDENCE WITHIN RANGE WHERE CLASS A IS NOT INFLUENCED BY Diff-Serv. THIS CLASS MAY BE DIVIDED INTO SEVERAL CLASSES.
CLASS C	BEST EFFORT. ADDING TO QUEUE WITH LOWER PRECEDENCE THAN CLASS B.

FIG. 7

RESTRICTION CONDITION	CONTENTS
AMOUNT OF MONEY	IF CHARGE EXCEEDS AMOUNT OF MONEY SPECIFIED BY USER, WARNING IS ISSUED TO USER, WHO IS MADE TO SELECT WHETHER TO CONTINUE COMMUNICATION
TIME	ACCESS WITHIN TIME PERIOD DURING WHICH COMMUNICATION TRAFFIC VOLUME IS HEAVY ARE PROHIBITED, SO THAT CHEAPER ACCOUNTING SERVICE IS PROVIDED CHANGING A SERVICE CLASS DEPENDING ON THE TIME OF DAY
SERVICE CLASS CHANGE DEPENDING ON PACKET TYPE	TOTAL AMOUNT OF MONEY OF PACKET-QUANTITY-BASED CHARGE IS HELD DOWN BY SPECIFYING SERVICE CLASS ACCORDING TO APPLICATION TYPE
ROAMING	EXTRA CHARGE DUE TO PERMISSION OF ROAMING SERVICE OR CHARGE DISCOUNT DUE TO PROHIBITION OF ROAMING SERVICE

F I G. 9

SERVICE TYPE		Diff-Serv
ADDITIONAL INFORMATION (MULTIPLE ITEMS PERMITTED)	Diff-Serv APPLICATION POLICY	CONDITIONAL EXPRESSION (SIMILAR TO POLICY DESCRIPTION LANGUAGE)
	SERVICE APPLIED CLASS	CLASS A CLASS B CLASS C
	IDENTIFICATION BETWEEN UPSTREAM AND DOWNSTREAM	UPSTREAM: PACKET TRANSMITTING FROM MN DOWNSTREAM: PACKET RECEIVING BY MN
	IP ADDRESS	TRANSMISSION SOURCE ADDRESS WHEN BEING SPECIFIED BY CONDITIONAL EXPRESSION
	PORT NUMBER	TRANSMISSION SOURCE PORT NUMBER WHEN BEING SPECIFIED BY CONDITIONAL EXPRESSION

FIG. 10

ADDITIONAL INFORMATION	SERVICE TYPE		ANYCAST
	ADDRESS SELECTION POLICY	CONDITIONAL EXPRESSION (SIMILAR TO POLICY DESCRIPTION LANGUAGE)	
		ADDRESS TO WHICH ANYCAST SERVICE IS APPLIED	

FIG. 11

CONFIGURATION RESULT	DETAILED CONFIGURATION INFORMATION	DESCRIPTION
PROFILE IDENTIFIER	SESSION IDENTIFIER	SESSION ID
	PROFILE NUMBER	VALUE UNIQUELY ASSIGNED TO EACH SESSION
	SOURCE ADDRESS	PACKET TRANSMISSION SOURCE ADDRESS
	SOURCE PORT NUMBER	PACKET TRANSMISSION SOURCE PORT NUMBER
	DESTINATION ADDRESS	PACKET RECEPTION DESTINATION ADDRESS
TARGET PACKET CONTROL INFORMATION	DESTINATION PORT NUMBER	PACKET RECEPTION DESTINATION PORT NUMBER
	ENCAPSULATION (ENCRYPTION) METHOD	TRANSFER PACKET ENCAPSULATION METHOD
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	PACKET TRANSFER DESTINATION ADDRESS
	TOS	TOS VALUE ASSIGNED TO PACKET
	DECAPSULATION INSTRUCTION	DECAPSULATION REQUEST
INDIVIDUAL CONTROL INFORMATION	SERVICE CONTROL TYPE	CONTROL TABLE TO BE SEARCHED NEXT SERVICE PROFILE CACHE BINDING CACHE MIP HOME (MOBILITY BINDING) MIP FOREIGN (VISITOR LIST) ANYCAST TABLE (EXTENDED VISITOR LIST) ROUTING TABLE
	CONTROL INFORMATION IDENTIFIER	REFERENCE IDENTIFIER OF INDIVIDUAL CONTROL TABLE

FIG. 12

ANYCAST ADDRESS		
NAI	HOME ADDRESS	TERMINAL STATE
:	:	:

FIG. 13

CONSTITUENT ELEMENT	DESCRIPTION
SESSION ID	NAI OF MAN/32-BIT VALUE/OPTION
HA ADDRESS	HA ADDRESS SPECIFIED BY AAAH
ADDRESS OF AAUF SPECIFYING HA	ADDRESS OF AAUF THAT AAAH REQUESTS TO SPECIFY HA
CURRENT AAUF ADDRESS	ADDRESS OF AAUF WHICH REQUESTS AMR
SECURITY INFORMATION	INFORMATION FOR AUTHENTICATING RELATIONSHIP BETWEEN HA AND AAUF
SESSION TIMER	VALID TIME PERIOD OF THIS TRANSACTION
FA SERVICE PROFILE	SEE FIG. 12
HA SERVICE PROFILE	SEE FIG. 12

FIG. 14

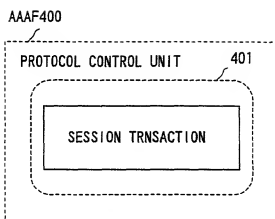


FIG. 15

CONSTITUENT ELEMENT	DESCRIPTION
SESSION ID	<NAI OF MN><32-BIT VALUE><OPTION>
AAAH ADDRESS	AAAH ADDRESS IDENTIFIED BY NAI OF MN
HA ADDRESS	HA ADDRESS SPECIFIED BY AAAF
PREVIOUS FA-NAI	NAI OF PREVIOUS FA WHEN MN MOVES TO NEW FA
CURRENT FA-NAI	NAI OF FA TO WHICH MN IS CURRENTLY CONNECTING
SECURITY INFORMATION	INFORMATION FOR AUTHENTICATING RELATIONSHIP BETWEEN FA, AAAH, AND HA (WHEN BEING SPECIFIED BY AAAF)
SESSION TIMER	VALID TIME PERIOD OF THIS TRANSACTION
FA SERVICE PROFILE	SEE FIG. 12
HA SERVICE PROFILE	SEE FIG. 12
STATE	WAITING TO BE PROCESSED, HA IS BEING REQUESTED, AWA IS BEING PROCESSED

FIG. 16

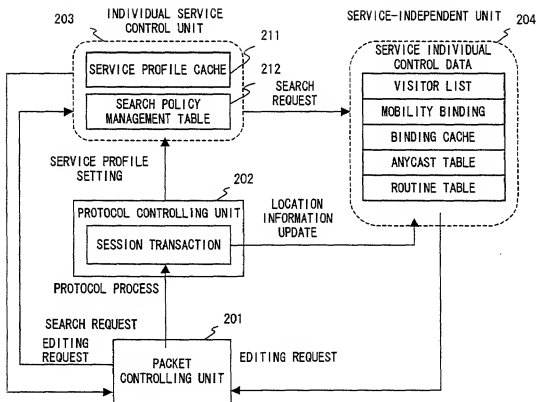


FIG. 17

CONSTITUENT ELEMENT	DESCRIPTION
SESSION ID	〈NA1 OF MW〉〈32-BIT〉〈OPTION〉
SESSION TIMER	VALID TIME PERIOD OF THIS TRANSACTION

FIG. 18

SERVICE PROFILE CACHE		DESCRIPTION
SPC	INDIVIDUAL NODE SPC (NSPC)	SERVICE PROFILES SET FOR WHICH SOURCE INFORMATION OF DATA PACKET GENERATED BY MOBILE NODE FROM STATIC INFORMATION STORED ONTO HD, ETC. OF NETWORK DEVICE AT THE TIME OF INITIAL CONFIGURATION IS USED AS SEARCH CONDITION. MAINLY USED TO PERFORM USER-INDEPENDENT COMMON SERVICE CONTROL
	SOURCE DEFAULT SP (NDSPsrc)	SERVICE PROFILE APPLIED WHEN THERE IS MATCH OF ANY OF SERVICE PROFILES IN NSPCsrc, AND NO MATCH IN INDIVIDUAL CONTROL TABLE
	DESTINATION SPC (NSPCdst)	SERVICE PROFILE SET FOR WHICH DESTINATION INFORMATION OF DATA PACKET GENERATED BY MOBILE AGENT FROM STATIC INFORMATION STORED ONTO HD, ETC. OF NETWORK DEVICE AT THE TIME OF INITIAL CONFIGURATION IS USED AS SEARCH CONDITION MAINLY USED TO PERFORM USER-INDEPENDENT COMMON SERVICE CONTROL
	DESTINATION DEFAULT SP (NDSPdst)	SERVICE PROFILE APPLIED WHEN THERE IS MATCH OF ANY OF SERVICE PROFILES IN NSPCdst, AND NO MATCH IN INDIVIDUAL CONTROL TABLE
	DEFAULT SP (NDSP)	SERVICE PROFILE FOR SEARCHING CONTROL TABLE SPECIFIC TO NETWORK DEVICE WHEN THERE IS NO MATCH OF ANY SERVICE PROFILES
AAA- NOTIFIED SPC(ASPC)	SOURCE SPC (ASPCsrc)	USER-SPECIFIC SERVICE PROFILE SET FOR WHICH SOURCE INFORMATION OF DATA PACKET NOTIFIED FROM AAA SYSTEM WHEN MN LOGS IN NETWORK IS USED AS SEARCH CONDITION
	DESTINATION SPC (ASPCdst)	USER-SPECIFIC SERVICE PROFILE SET FOR WHICH DESTINATION INFORMATION OF DATA PACKET NOTIFIED FROM AAA SYSTEM WHEN MN LOGS IN NETWORK IS USED AS SEARCH CONDITION

FIG. 19

PROCEDURAL STEP	CACHE SEARCHED	CACHE SEARCH RESULT	INDIVIDUAL CONTROL DATA SEARCH RESULT	NEXT SEARCH PROCESS
1	ASPCsrc	MATCH	MATCH	NORMAL END
		MISMATCH	MISMATCH	ABNORMAL END
2	NSPCsrc	MATCH	MATCH	NSPCsrc SEARCH
		MISMATCH	MISMATCH	NORMAL END
3	ASPCdst	MATCH	MATCH	NDSPsrc REFERENCE
		MISMATCH	MISMATCH	ASPCdst SEARCH
4	NSPCdst	MATCH	MATCH	NORMAL END
		MISMATCH	MISMATCH	ABNORMAL END
5	NDSP	MATCH	MATCH	NSPCdst SEARCH
		MISMATCH	MISMATCH	NORMAL END

FIG. 20

CONSTITUENT ELEMENT	DESCRIPTION
HOME ADDRESS	HOME ADDRESS ASSIGNED TO MN
CARE-OF ADDRESS OF MOBILE NODE	IP ADDRESS OF FA TO WHICH MN IS CURRENTLY CONNECTED
IDENTIFIER FILED OF REGISTRATION REQUEST	IDENTIFIER FOR MAKING CORRESPONDENCE BETWEEN REQUEST AND REPLY
LIFETIME	VALID TIME PERIOD OF REGISTRATION REQUEST
AUTHENTICATION INFORMATION	INFORMATION ACCORDING TO WHICH FA AUTHENTICATES MN

FIG. 22

SOURCE ADDRESS	SOURCE PORT	DESTINATION ADDRESS	DESTINATION PORT	ENCAPSULATION	CARE-OF ADDRESS	TOS
111. 100. 100. 101	.	222. 200. 100. 123	.	x x	333. 300. 100. 0	x x
		222. 200. 100. 133		x x	333. 300. 100. 0	y y

FIG. 23

CONSTITUENT ELEMENT	DESCRIPTION
IP PROXY ADDRESS	HOME ADDRESS OF MN
IP SOURCE ADDRESS	ANYCAST ADDRESS
LINK LAYER SOURCE ADDRESS	MAC ADDRESS OF MN
UDP SOURCE PORT	UDP SOURCE PORT OF MN
HOME AGENT ADDRESS	ADDRESS OF HOME AGENT HAVING HOME ADDRESS OF MN
ADDRESS PROXY ADDRESS	ADDRESS OF ADDRESS PROXY HAVING ANYCAST ADDRESS
IDENTIFIER FIELD OF REGISTRATION REQUEST	IDENTIFIER FOR MAKING CORRESPONDENCE BETWEEN REQUEST AND REPLY
LIFETIME	REGISTRATION TIME PERIOD

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DESTINATION ADDRESS	NEXT HOP ADDRESS
111. x. x. x	111. 100. 100. 0
222. x. x. x	222. 200. 200. 0
333. x. x. x	333. 300. 300. 0

FIG. 25

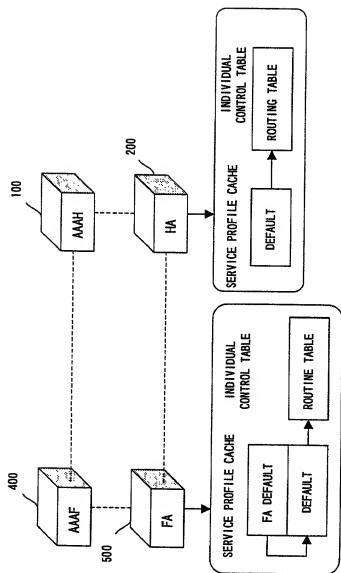


FIG. 27

FIG. 28A

CONSTITUENT INFORMATION	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION	SOURCE ADDRESS	*
	SOURCE PORT NUMBER	*
	DESTINATION ADDRESS	*
	DESTINATION PORT NUMBER	*
ROUTINE/PACKET EDITING INFORMATION	ENCAPSULATION (ENCRYPTION) METHOD	*
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	*
	TOS	*
	DECAPSULATION INSTRUCTION	NOT GIVEN
INDIVIDUAL CONTROL INFORMATION	NEXT SERVICE CONTROL TYPE	ROUTING TABLE

FIG. 28B

CONSTITUENT INFORMATION	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION	SOURCE ADDRESS	*
	SOURCE PORT NUMBER	*
	DESTINATION ADDRESS	IP ADDRESS OF FA (CARE-OF ADDRESS)
	DESTINATION PORT NUMBER	*
ROUTINE/PACKET EDITING INFORMATION	ENCAPSULATION (ENCRYPTION) METHOD	*
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	*
	TOS	*
	DECAPSULATION INSTRUCTION	GIVEN
INDIVIDUAL CONTROL INFORMATION	NEXT SERVICE CONTROL TYPE	SERVICE PROFILE CODE

CONSTITUENT INFORMATION	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION	SOURCE ADDRESS	*
	SOURCE PORT NUMBER	*
	DESTINATION ADDRESS	*
	DESTINATION PORT NUMBER	*
ROUTING/PACKET EDITING INFORMATION	ENCAPSULATION (ENCRYPTION) METHOD	*
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	*
	TOS	*
	DECAPSULATION INSTRUCTION	NOT GIVEN
INDIVIDUAL CONTROL INFORMATION	NEXT SERVICE CONTROL TYPE	ROUTING TABLE

FIG. 29

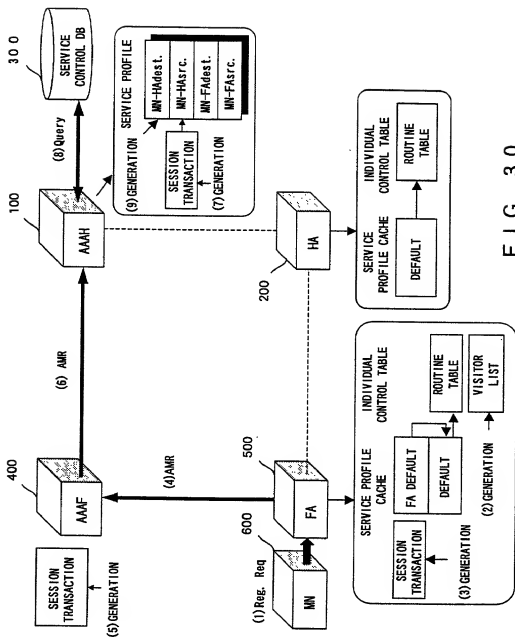


FIG. 30

FIG. 31 A

CONFIGURATION INFORMATION	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION	SOURCE ADDRESS	*
	SOURCE PORT NUMBER	*
	DESTINATION ADDRESS	HOME ADDRESS OF MN
	DESTINATION PORT NUMBER	PORT NUMBER OF MN (OPTION)
ROUTINE/PACKET EDITING INFORMATION	ENCAPSULATION (ENCRYPTION) METHOD	*
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	*
	TOS	SPECIFIED AT THE TIME OF DIFF-SERV EXECUTION
	DECAPSULATION INSTRUCTION	NOT GIVEN
INDIVIDUAL CONTROL INFORMATION	NEXT SERVICE CONTROL TYPE	MOBILITY BINDING

FIG. 31 B

CONFIGURATION INFORMATION	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION	TRANSMISSION SOURCE ADDRESS	HOME ADDRESS OF CN
	TRANSMISSION SOURCE PORT NUMBER	PORT NUMBER OF CN (OPTION)
	RECEPTION DESTINATION ADDRESS	*
	RECEPTION DESTINATION PORT NUMBER	*
ROUTINE/PACKET EDITING INFORMATION	ENCAPSULATION (ENCRYPTION) METHOD	*
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	* "0" IS SPECIFIED AT THE TIME OF PACKET FILTERING
	TOS	*
	DECAPSULATION INSTRUCTION	NOT GIVEN
INDIVIDUAL CONTROL INFORMATION	NEXT SERVICE CONTROL TYPE	*

FIG. 3 2 A

CONFIGURATION INFORMATION	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION	SOURCE ADDRESS	*
	SOURCE PORT NUMBER	*
	DESTINATION ADDRESS	HOME ADDRESS OF MN
	DESTINATION PORT NUMBER	PORT NUMBER OF MN (OPTION)
ROUTINE/PACKET EDITING INFORMATION	ENCAPSULATION (ENCRYPTION) METHOD	*
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	*
	TOS	*
	DECAPSULATION INSTRUCTION	NOT GIVEN
INDIVIDUAL CONTROL INFORMATION	NEXT SERVICE CONTROL TYPE	VISITOR LIST

FIG. 3 2 B

CONFIGURATION INFORMATION	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION	SOURCE ADDRESS	HOME ADDRESS OF MN
	SOURCE PORT NUMBER	PORT NUMBER OF MN (OPTION)
	DESTINATION ADDRESS	*
	DESTINATION PORT NUMBER	*
ROUTINE/PACKET EDITING INFORMATION	ENCAPSULATION (ENCRYPTION) METHOD	*
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	*
	TOS	SPECIFIED AT THE TIME OF Diff-Serv EXECUTION (OPTION)
	DECAPSULATION INSTRUCTION	NOT GIVEN
INDIVIDUAL CONTROL INFORMATION	NEXT SERVICE CONTROL TYPE	ROUTING TABLE

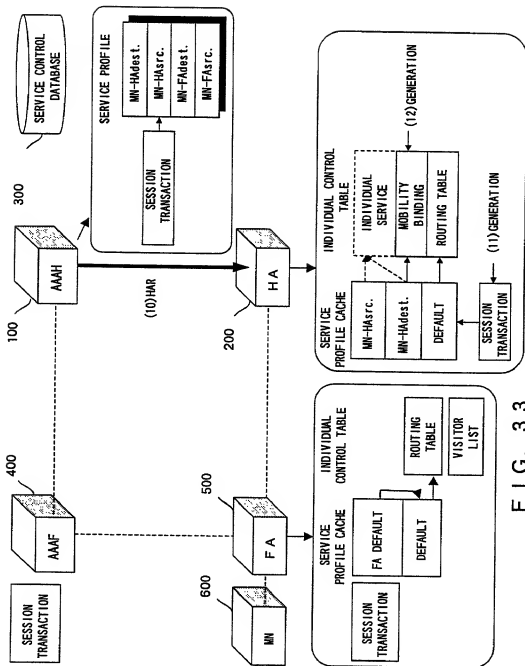


FIG. 33

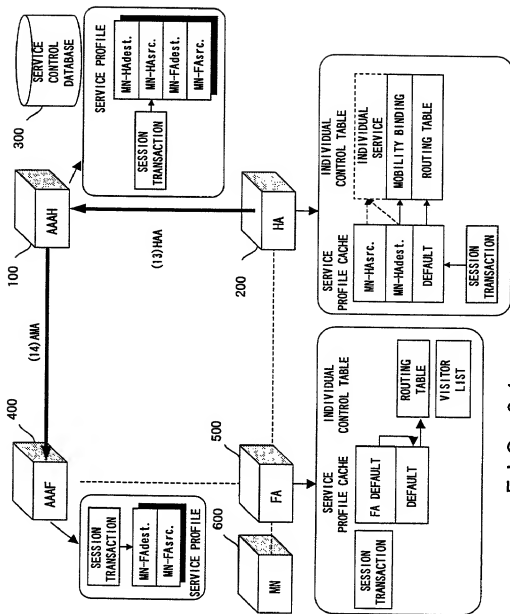


FIG. 34

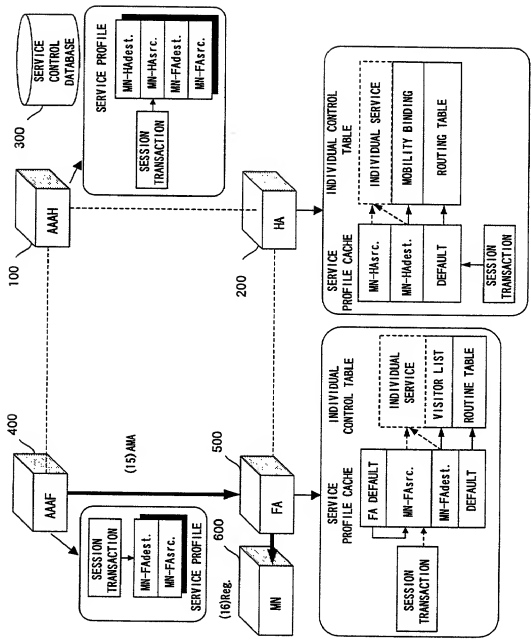


FIG. 35

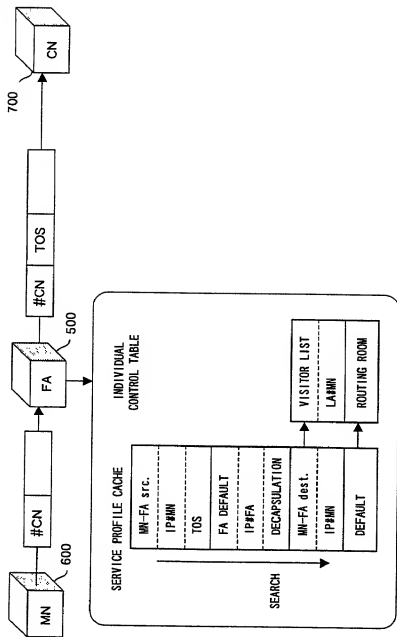


FIG. 36

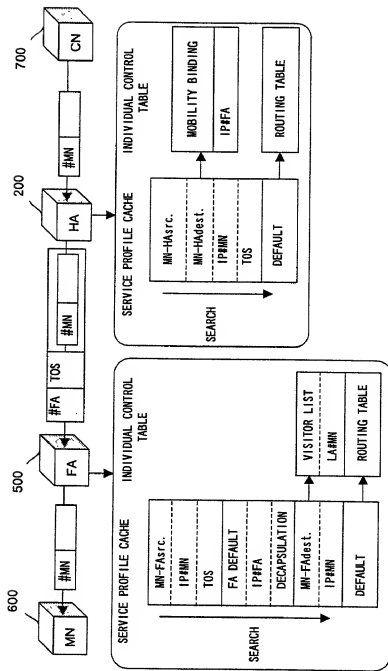


FIG. 37

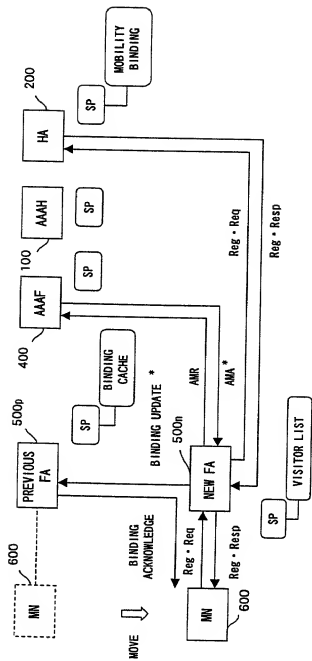


FIG. 38

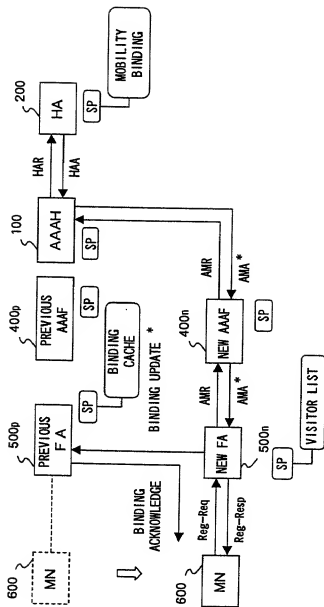


FIG. 39

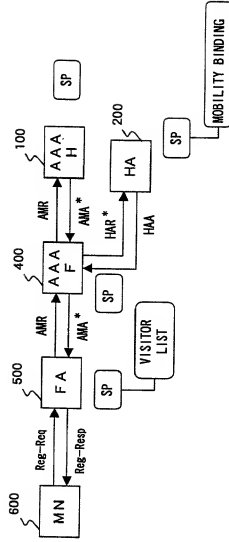


FIG. 40

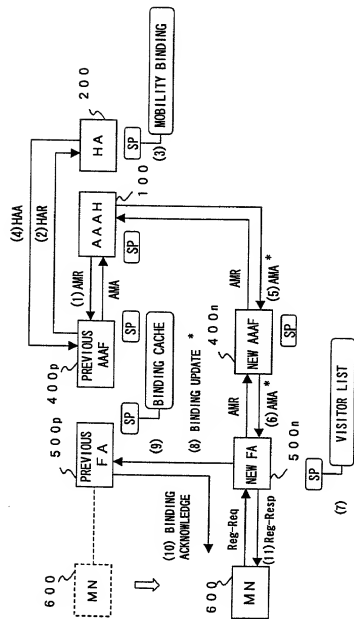


FIG. 41

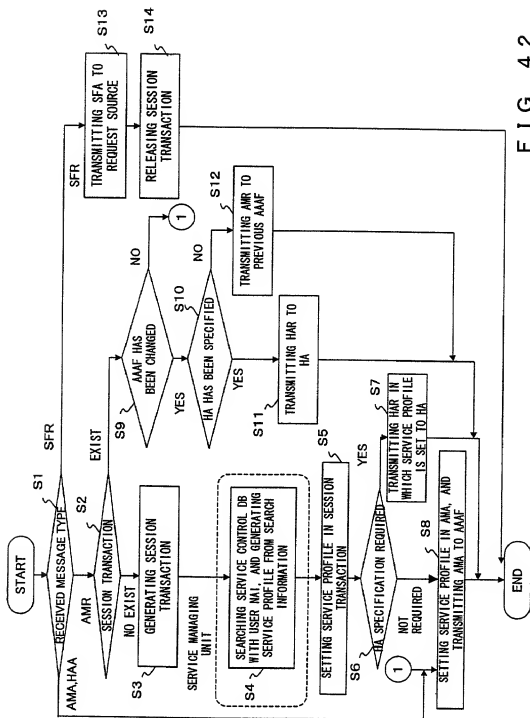


FIG. 42

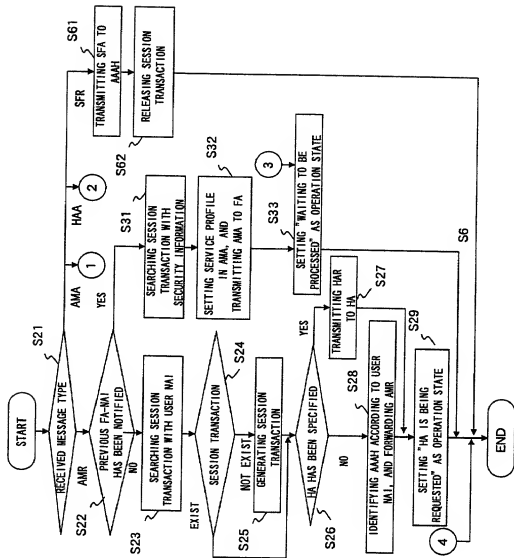


FIG. 43

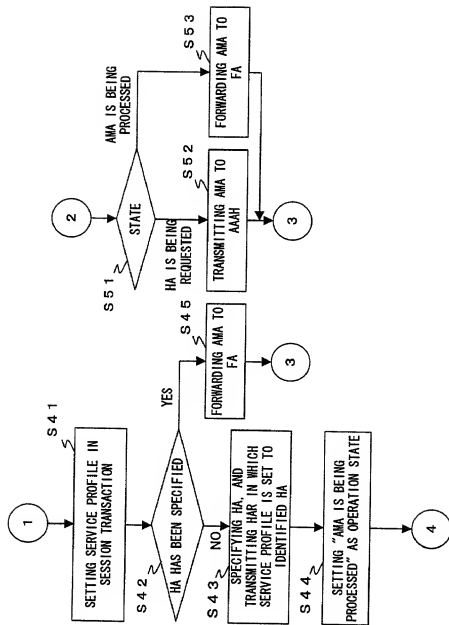


FIG. 44

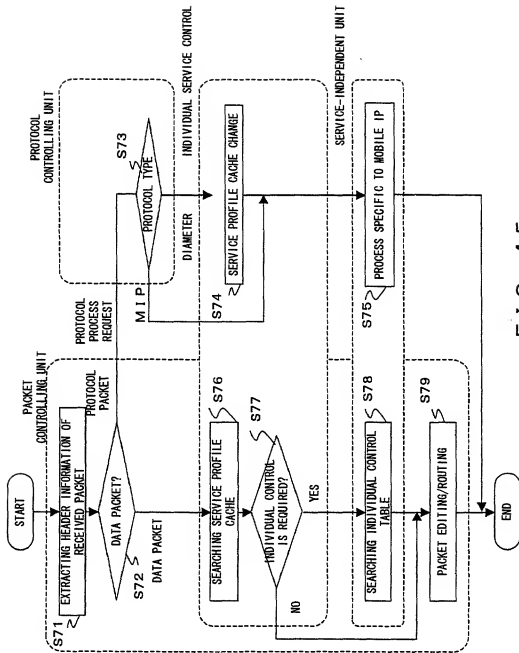


FIG. 45

SERVICE PROFILE CACHE		SEARCH INFORMATION	INDIVIDUAL CONTROL TABLE
SPC	INDIVIDUAL NODE SPC (NSPC)	SOURCE SPC (NSPCsrc)	
		SOURCE DEFAULT SP (NDSPsrc)	
		DESTINATION SPC (NSPCdst)	MOBILITY BINDING
		DESTINATION DEFAULT SP (NDSPdst)	ROUTING TABLE
		DEFAULT SP (NDSP)	ROUTING TABLE
	AAA-NOTIFIED SPC (ASPC)	SOURCE SPC (ASPCsrc)	
		DESTINATION SPC (ASPCdst)	

FIG. 46

SERVICE PROFILE CACHE		SEARCH INFORMATION	INDIVIDUAL CONTROL TABLE
SPC	INDIVIDUAL NODE (NSPC)	SOURCE SPC (NSPCsrc)	
		SOURCE DEFAULT SP (NDSPsrc)	
		DESTINATION SPC (NSPCdst)	SERVICE PROFILE CACHE
		DESTINATION DEFAULT SP (NDSPdst)	VISITOR LIST
		DEFAULT SP (NDSP)	ROUTING TABLE
	AAA-NOTIFIED SPC (ASPC)	SOURCE SPC (ASPCsrc)	
		DESTINATION SPC (ASPCdst)	

FIG. 47

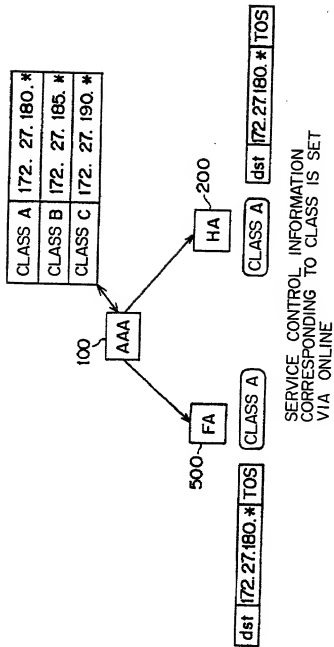


FIG. 48

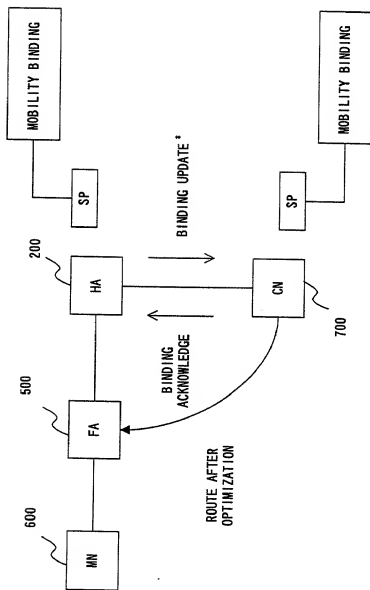


FIG. 49

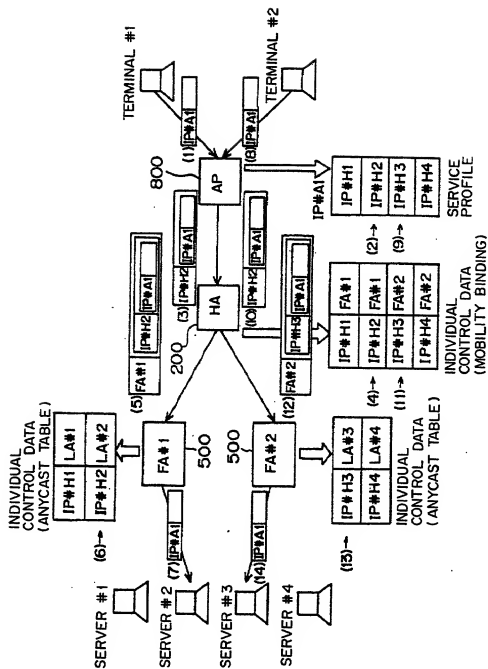


FIG. 50

CONSTITUENT ELEMENT	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION	SOURCE ADDRESS	*
	SOURCE PORT NUMBER	*
	DESTINATION ADDRESS	ANYCAST ADDRESS
	DESTINATION PORT NUMBER	*
ROUTING/PACKET EDITING INFORMATION	ENCAPSULATION (ENCRYPTION) METHOD	I P in I P
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	HOME ADDRESS 1 OF MN
	T O S	HOME ADDRESS 2 OF MN
	DECAPSULATION INSTRUCTION	SPECIFIED WHEN Diff-Serv IS ALSO USED
INDIVIDUAL CONTROL INFORMATION		NOT GIVEN
	NEXT SERVICE CONTROL TYPE	*

FIG. 51

CONSTITUENT ELEMENT	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION	SOURCE ADDRESS	*
	SOURCE PORT NUMBER	*
	DESTINATION ADDRESS	HOME ADDRESS OF MN
	DESTINATION PORT NUMBER	*
ROUTING/PACKET EDITING INFORMATION	ENCAPSULATION (ENCRYPTION) METHOD	*
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	*
	T O S	SPECIFIED WHEN Diff-Serv IS ALSO USED
	DECAPSULATION INSTRUCTION	NOT GIVEN
INDIVIDUAL CONTROL INFORMATION	NEXT SERVICE CONTROL TYPE	MOBILITY BINDING

FIG. 52

CONSTITUENT ELEMENT	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION	SOURCE ADDRESS	*
	SOURCE PORT NUMBER	*
	DESTINATION ADDRESS	CARE-OF ADDRESS OF FA ITSELF
	DESTINATION PORT NUMBER	*
ROUTING/PACKET EDITING INFORMATION	ENCAPSULATION (ENCRYPTION) METHOD	*
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	*
	T O S	*
	DECAPSULATION INSTRUCTION	GIVEN
INDIVIDUAL CONTROL INFORMATION	NEXT SERVICE CONTROL TYPE	SERVICE CACHE

FIG. 54

CONSTITUENT ELEMENT	DETAILED CONFIGURATION INFORMATION	SET VALUE
TARGET PACKET CONTROL INFORMATION	SOURCE ADDRESS	*
	SOURCE PORT NUMBER	*
	DESTINATION ADDRESS	HOME ADDRESS OF MN
	DESTINATION PORT NUMBER	*
ROUTING/PACKET EDITING INFORMATION	ENCAPSULATION (ENCRYPTION) METHOD	*
	TRANSFER DESTINATION ADDRESS (MULTIPLE ADDRESSES SPECIFIABLE)	*
	T O S	*
	DECAPSULATION INSTRUCTION	NOT GIVEN
INDIVIDUAL CONTROL INFORMATION	NEXT SERVICE CONTROL TYPE	VISITOR LIST

F I G. 5 5

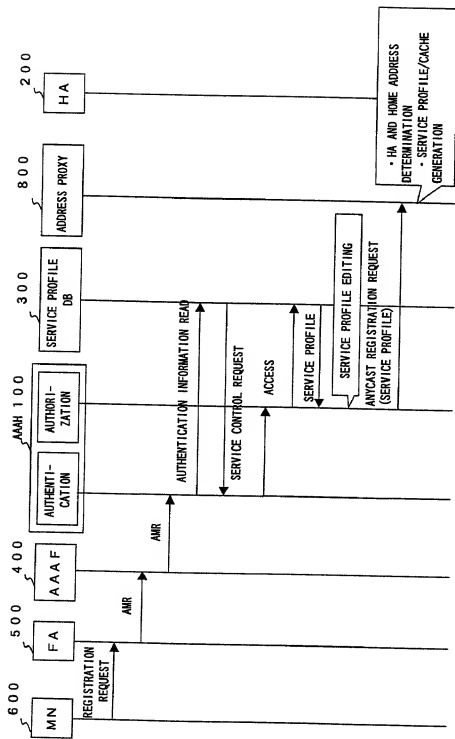


FIG. 56

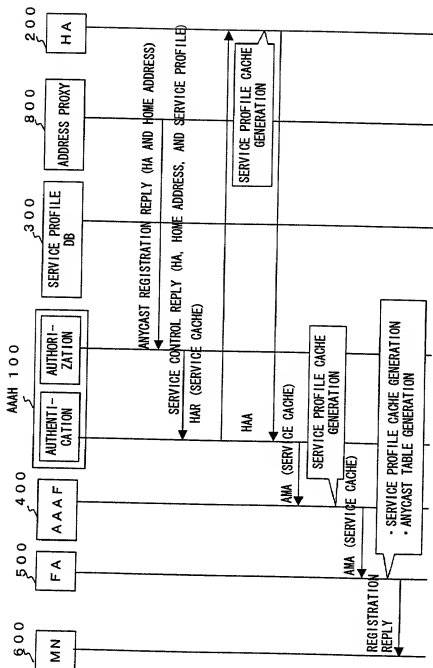
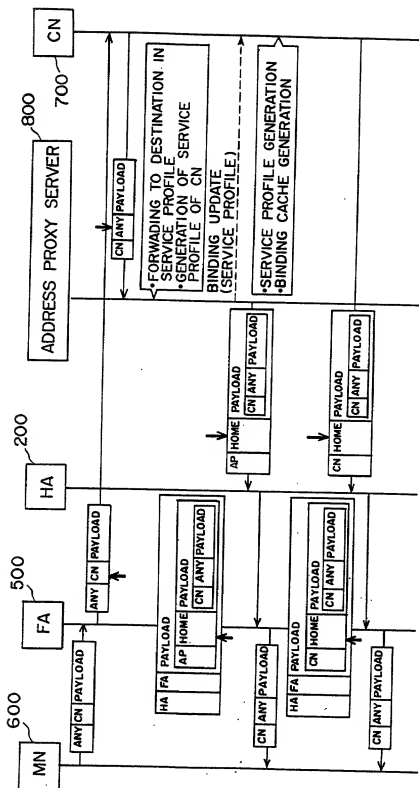


FIG. 57



→ ADDRESS INFORMATION REFERENCED IN ROUTING PROCESS

FIG. 58

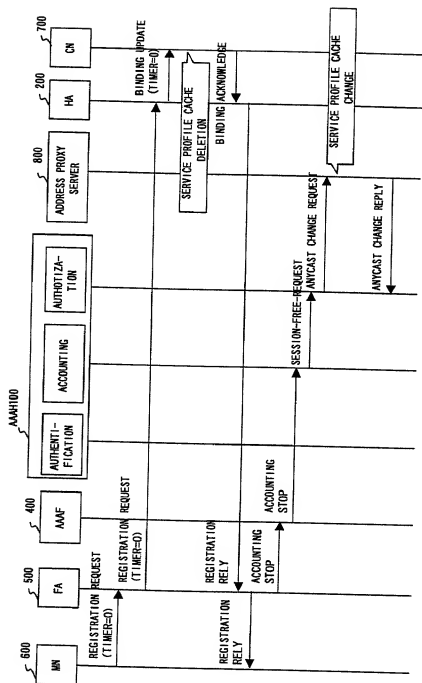


FIG. 59

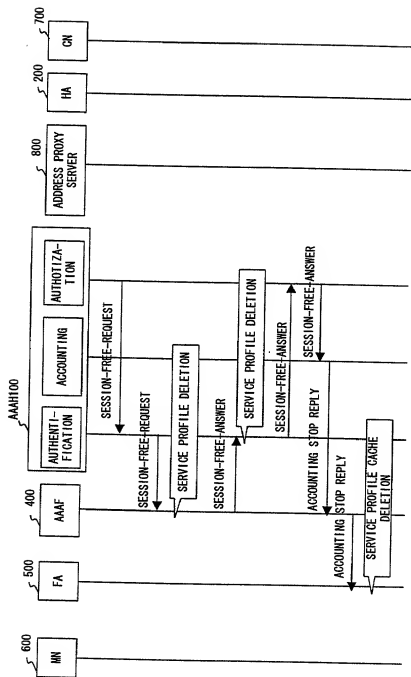


FIG. 60

[MOBILE-IP MESSAGE]

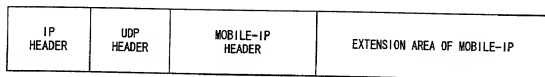


FIG. 61

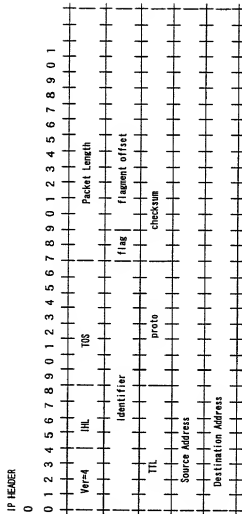


FIG. 6 2 A

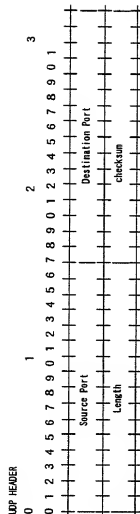


FIG. 6 2 B

BETWEEN MOBILE NODE AND FOREIGN AGENT (CONFIGURATION OF Mobile-IP REGISTRATION REQUEST MESSAGE)

< Registration Request >
< Mobile Node MI Extension >
< Previous Foreign Agent Notification Extension >

FIG. 63A

Registration Request Format

1										2										3									
0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9
Type										Lifeline																			
S B D M C V rsv										Home Address																			
										Home Agent																			
										Care-of Address																			
										Identification																			
EXTENSION AREA ...																													

FIG. 63B

EXTENSION AREA NO. 1 (Mobile Node NAI Extension)

Figure 1 illustrates the structure of the MN-NAI dataset. It shows three horizontal timelines labeled 0, 1, and 2. Timeline 0 has 10 ticks (0-9) and is labeled 'Type'. Timeline 1 has 10 ticks (0-9) and is labeled 'Length'. Timeline 2 has 10 ticks (0-9) and is labeled 'MN-NAI'. Vertical lines connect the ticks across the timelines, indicating a sequence of events or data points.

EXTENSION AREA NO. 2 (Previous Foreign Agent Notification Extension)

[illegible]

BETWEEN MOBILE NODE AND FOREIGN AGENT (CONFIGURATION OF Mobile-IP REGISTRATION REQUEST MESSAGE)

FIG. 64A]

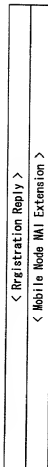
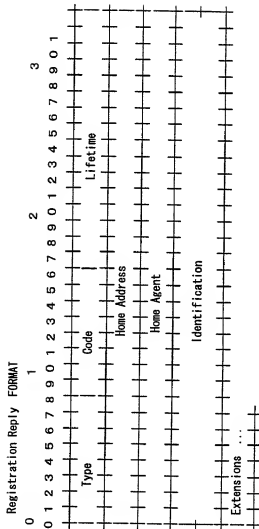


FIG. 64B



Binding Update FORMAT

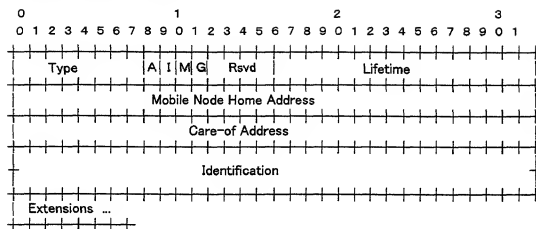


FIG. 65

Binding Acknowledge FORMAT

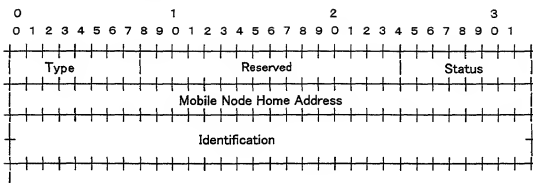
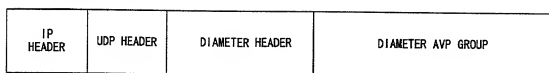


FIG. 66

[DIAMETER MESSAGE]



F I G. 6 7

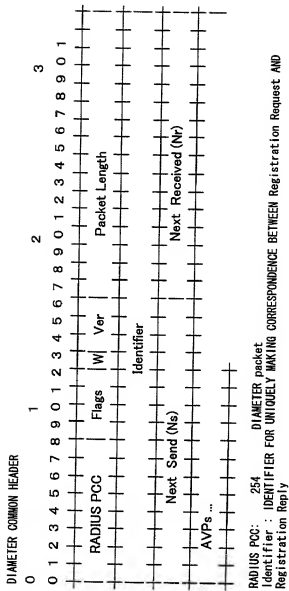


FIG. 69A

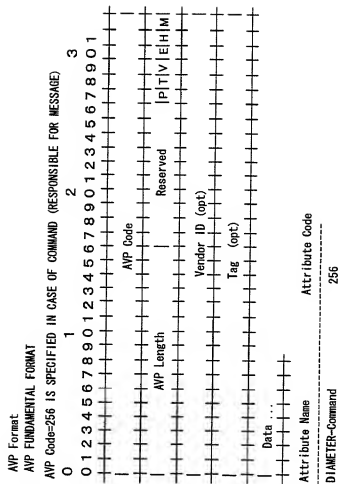


FIG. 69C

[illegible]

BETWEEN FOREIGN AGENT AND AAAH SERVER

< DIAMETER Header >
< AA-Mobile-Node-Request Command AVP >
< SESSION ID AVP >
< User-Name AVP >
< WIP-Registration-Request AVP >
< MN-FA-Challenge AVP >
< MN-FA-Response AVP >
< Mobile-Node-Address AVP >
< Home-Agent-Address AVP >
< Previous-FA-NAI AVP >
< MN-FA-SPI AVP >
< Timestamp AVP >
< Initialization-Vector AVP >
< Integrity-Check-Vector AVPN > OR < Digital-Signature AVP >

FIG. 70

BETWEEN AAAH SERVER AND HOME AGENT

< DIAMETER Header >
< Home-Agent-MIP-Request Command AVP >
< SESSION Id AVP >
< User-Name AVP >
< MIP-Registration-Request AVP >
< MN-HA-SPI AVP >
< HA-to-MN-Key AVP >
< MN-to-HA-Key AVP >
< FA-HA-SPI AVP >
< HA-to-FA-Key AVP >
< MN-FA-SPI AVP >
< MN-to-FA-Key AVP >
< Home-Agent-Address AVP >
< Mobile-Node-Address AVP >
< Session-Timeout AVP >
< Timestamp AVP >
< Initialization-Vector AVP >
< Integrity-Check-Vector AVP > OR < Digital-Signature AVP >

FIG. 71

BETWEEN FOREIGN AGENT AND AAAH SERVER

< DIAMETER Header >
< AA-Mobile-Node-Answer Command AVP >
< SESSION Id AVP >
< Result-Code AVP >
[< Error-Code AVP >]
< MIP-Registration-Reply AVP >
< MN-FA-SP1 AVP >
< FA-to-MN-Key AVP >
< FA-HA-SP1 AVP >
< FA-to-HA-Key AVP >
< Home-Agent-Address AVP >
< Mobile-Node-Address AVP >
< Session-Timeout AVP >
< Timestamp AVP >
< Initialization-Vector AVP >
[< Integrity-Check-Vector AVP > OR < Digital-Signature AVP >]

FIG. 72

BETWEEN AAAH SERVER AND HOME AGENT

< DIAMETER Header >
< Home-Agent-WIP-Answer Command AVP >
< SESSION Id AVP >
< Result-Code AVP >
[< Error-Code AVP >]
< WIP-Registration-Reply AVP >
< Mobile-Node-Address AVP >
< Home-Agent-Address AVP >
< Timestamp AVP >
< Initialization-Vector AVP >
[< Integrity-Check-Vector AVP > OR < Digital-Signature AVP >]

FIG. 73